



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hung-Ming CHIEN

Group Art Unit: 2618

Serial No. 10/813,266

Examiner: N.T. LE

Filed: MARCH 31, 2004

Atty. Docket No.: 058268.00356

For: CHARGE PUMP CIRCUIT HAVING SWITCHES

**RESPONSE TO RESTRICTION REQUIREMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**December 3, 2007**

Sir:

The Office Action dated November 1, 2007 has been received and carefully noted.

The following remarks are submitted as a full and complete response thereto.

The Office Action of November 1, 2007 presented a restriction requirement, requiring election between one of the following three inventions:

Invention I, recited in claims 1-8, drawn to a charge pump circuit to supply current to control oscillating circuit comprising a first and a second switch wherein the second switch provides a charge up current to the output diode when the second state comprise an ON state;

Invention II, recited in claims 9-17, drawn to a circuit comprising a controlled oscillator, a charge pump circuit, output diode, LP filter,

multimodulus divider and phase detector; and

Invention III, recited in claims 18-26, drawn to a charge pump circuit comprising current source, a source switch, an output diode and a gate switch to form a circuit holding a bias voltage.

Applicant respectfully elects to prosecute the subject matter of Invention I, recited in claims 1-8, drawn to a charge pump circuit to supply current to control oscillating circuit comprising a first and a second switch wherein the second switch provides a charge up current to the output diode when the second state comprise an ON state. Applicant therefore respectfully requests timely consideration on the merits.

Applicant reserves the right to file a divisional application on the non-elected claims at any point prior to the termination of the proceedings in the subject application.

In the event this paper is not being timely filed, the applicant respectfully petitions for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,

  
Arlene P. Neal  
Arlene P. Neal  
Attorney for Applicant  
Reg. No. 43,828

**Customer Number 32294**  
SQUIRE, SANDERS & DEMPSEY LLP  
14<sup>TH</sup> Floor  
8000 Towers Crescent Drive  
Tysons Corner, Virginia 22182-2700  
Telephone: 703-720-7800  
Fax: 703-720-7802

APN:ksh

Application No. 10/813,266